



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHOWT4022AL120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2018.1.0 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Thu Aug 16 13:38:04 2018

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BS830LEDHOWT4022AL120-277[_P

[LAMP] LED 0.195W White 5630 package (65mA)

[LAMPCAT] SPMWHT541MD-3900K

[OTHER]

IESNA:LM-63-2002[TEST] 6,552

[TESTLAB] CSA Group

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16359
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	155
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.10
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BS830LEDHTHOWT4022AL120-277V_P.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5854	4919	5854
55	3567	2908	3567
65	2347	1852	2347
75	1103	839	1103
85	10	7	10

CANDELA TABULATION

	<u>0</u>
0	10328.589
5	10240.902
10	10046.008
15	9690.146
20	9179.713
25	8631.899
30	7908.454
35	6393.083
40	4341.081
45	2499.503
50	1737.579
55	1478.220
60	1194.275
65	913.236
70	646.151
75	388.281
80	146.332
85	2.897
90	0.018
95	0.018
100	0.027
105	0.027
110	0.044
115	0.044
120	0.053
125	0.071
130	0.106
135	0.115
140	0.097
145	0.080
150	0.097
155	0.292
160	1.329
165	1.878
170	1.869
175	1.400
180	8.940

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3697.51	N.A.	22.60
0-30	7658.81	N.A.	46.80
0-40	11555.73	N.A.	70.60
0-60	14995.44	N.A.	91.70
0-80	16316.06	N.A.	99.70
0-90	16357.41	N.A.	100.00
10-90	15385.78	N.A.	94.10
20-40	7858.22	N.A.	48.00
20-50	9980.97	N.A.	61.00
40-70	4346.9	N.A.	26.60
60-80	1320.62	N.A.	8.10
70-80	413.43	N.A.	2.50
80-90	41.35	N.A.	0.30
90-110	0.06	N.A.	0.00
90-120	0.10	N.A.	0.00
90-130	0.17	N.A.	0.00
90-150	0.31	N.A.	0.00
90-180	1.25	N.A.	0.00
110-180	1.20	N.A.	0.00
0-180	16358.66	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	971.63
10-20	2725.88
20-30	3961.31
30-40	3896.92
40-50	2122.75
50-60	1316.96
60-70	907.19
70-80	413.43
80-90	41.35
90-100	0.02
100-110	0.03
110-120	0.05
120-130	0.07
130-140	0.08
140-150	0.06
150-160	0.22
160-170	0.49
170-180	0.24

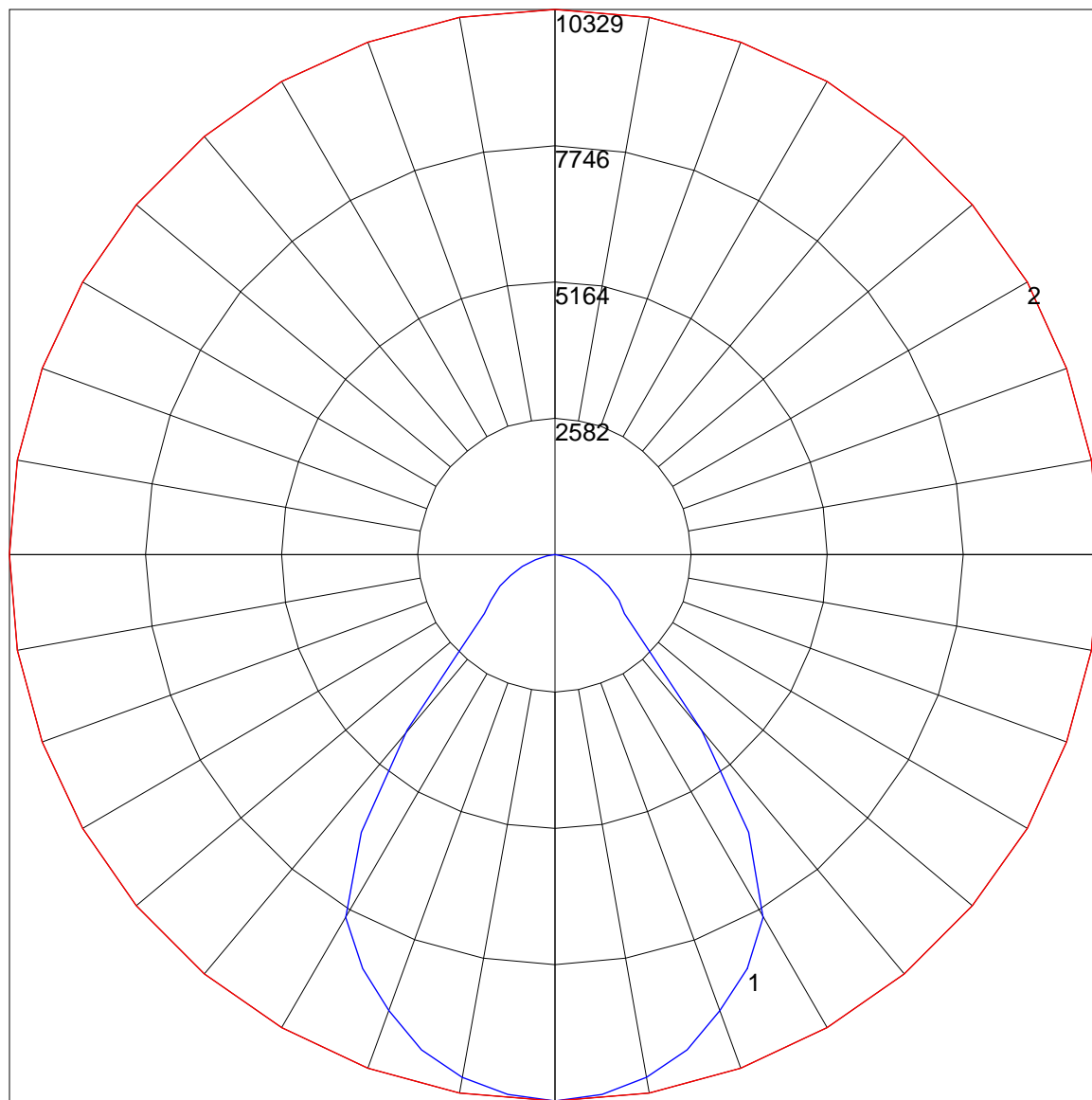
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	72	71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

POLAR GRAPH



Maximum Candela = 10328.589 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)